ABSTRACT

~~Dog-clutch coupling device~~

The invention relates to a device for coupling two shafts ~~(2, 3)~~ intended to rotate in the continuation of one another about an axis [[(1)]]. The device comprises a dog clutch [[(9)]] allowing the driving shaft [[(2)]] to drive the driven shaft [[(3)]], and declutching means allowing the dog clutch [[(9)]] to be uncoupled from a clutch-engaged position to a declutched position. The declutching means comprise at least one first channel [[(13)]] secured to a driving element [[(12)]] of the dog clutch [[(9)]], the first channel [[(13)]] having the shape of a portion of a torus about the axis [[(1)]], at least one second channel [[(16)]] secured to the driving shaft [[(2)]], the second channel [[(16)]] having a helical shape about the axis [[(1)]], and a rolling element [[(17)]] intended to roll between the first [[(13)]] and in the second channel [[(16)]].

~~Fig. 1~~